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CIA-RDP84-00581R000300830056-3

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PRODUCTION OF PARTICLE-SIZE DISTRIBUTION CURVES
OF A POWDER, BY N. N. TSYURUPA.

RUSSIAN, PER, KHIM PROM, NO 3, 1961, PP 37-42.

NLL RTS 2048

SCI - CHEM

OCT 62

214,754

The Provision of Optimal Temperature Conditions
in Chemical Reactors, by I. I. Gel'perin,
V. B. Kvanhs.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 51-56.

MLL Ref: 5828.4 1962 (10,068)
(loan)

Sci - Chem
Jul 63

236,086

(SF-1879/6)

Explosion Danger of Mixtures of Oxides of Nitrogen
With Combustible Gases and Vapors (Mixtures of
Nitric Oxide and Dioxide Under Atmospheric Pressure),
by B. B. ~~Landt~~, A. I. Rozlovskiy, V. S. Khaylov,
12 pp.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 56-62.

JPBS 10278

174.089

Sci - Chem

The Selection of Materials for Apparatus for
the Direct Hydrogenation of ~~High~~ Higher Fatty
Acids, by D. M. Mayorov, et al.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 62-65.
4

NLL M RRS 1999

ITS 62-13900

Sci - Chem
Jun 62

201,014

Nov 61

(SF-1879/6)

Obtaining 2,4,5-Trichlorophenol by Saponification of
1,2,4,5-Tetrachlorobenzol in a Medium of Methyl
Alcohol, by I. A. Troyanov, S. M. Sheyn, V. A.
Ignatov, 4 pp.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 65-66.

JPRS 10278

Sci - Chem

174,090

(SF-1879/6)

Prospects for the Development of the Chemical Industry
in the Rumanian People's Republic, by Michael
Florescu, 9 pp.

RUSSIAN, per, Khim Prom, No 3, 1961, pp 69-72.

JPRS 10278

EEur .. Rumania

174,091

Econ

Kasatkin, A. G., Kagan, S. Z., and
Trukhanov, V. G.
INVESTIGATION OF THE STATICS OF THE
EXTRACTION OF CAPROLACTAM WITH OR-
GANIC SOLVENTS. [1963 12p.
Order from ATS \$12.75 ATS-55Q693

Trans. of Khim[icheskaya] Prom[yshlennost']
(USSR) 1961, no. 3, p. 190-196.

DESCRIPTORS: *Organic solvents, *Solvent extrac-
tion, Statice, *Lactams.

(Chemistry--Organic, TT, v. 10, no. 6)

63-17734

1. Title: Caprolactam
- I. Kasatkin, A. G.
- II. Kagan, S. Z.
- III. Trukhanov, V. G.
- IV. ATS-55Q69R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS RJ-3847

Office of Technical Services

Brandt, B. B., Rozlovskii, A. I., and Khallov, V. S.
EXPLOSION HAZARD OF MIXTURES OF NITROGEN
OXIDES WITH COMBUSTIBLE GASES AND VAPORS:
MIXTURES OF NITRIC OXIDE AND NITROGEN
DIOXIDE AT ATMOSPHERIC PRESSURE. [1961] 10p.
Order from ATS \$14.25 ATS-03N54R

Trans. of Khim[icheskaia] Prom[ishlennost'] (USSR)
1961, no. 3, p. 204-210.

DESCRIPTORS: *Nitrogen compounds, Oxides,
Hazards, *Explosions, *Detonation, Gases, Vapors.

(Chemistry--Physical, TT, v. 6, no. 8)

61-25383

I. Brandt, B. B.
II. Rozlovskii, A. I.
III. Khallov, V. S.
IV. Title: Mixtures...
V. ATS-03N54R
VI. Associated Technical
Services, Inc.,
East Orange, N. J..

ATC/RJ-2935

15250

Office of Technical Services

62-17299

Troyanov, I. A., Shein, S. M., and Ignatov, V. A.
PREPARATION OF 2,4,5-TRICHLOROPHENOL BY
THE HYDROLYSIS OF 1,2,4,5-TETRACHLOROBEN-
ZENE IN METHYL ALCOHOL MEDIUM. [1962] 3p.
Order from ATS \$5.00 ATS-79P59R

Trans.*of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 3, p. 213-214.

DESCRIPTORS: *Chlorides, *Phenols, Synthesis,
Benzenes, Hydrolysis, *Methanols.

(Chemistry--Organic, TT, v. 8, no. 2)

I. Troyanov, I. A.
II. Shein, S. M.
III. Ignatov, V. A.
IV. ATS-79P59R
V. Associated Technical
Services, Inc., East
Orange N. J.

ATS-RJ-3729

Office of Technical Services

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(SF-1879)

The Use of Hexachlorane in Insecticidal Aerosols, by
G. P. Luchinskiy, K. S. Tolstov, P. A. Korolev,
6 pp.

RUSSIAN, per, Khim Prom, No 4, 1961, pp 13-15.

JPRS 10302

174,038

Sci - Chem

Nov 61

METHODS OF MANUFACTURE OF SODIUM ALKYL
SULFATES AND THEIR PROCESS AND ECO-
NOMICS EVALUATION. [1961] 10p. ATS-28N58R
Order from ATS \$14.45

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 4, p. 31-35.

DESCRIPTORS: *Sodium compounds, *Alkyl radicals,
Sulfates, Manufacturing methods.

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CIA-RDP84-0

R000300830056-3

(Engineering--Chemical, TT, v. 7, no. 10)

Office of Technical Services

Solchani, P.
A NEW METHOD OF DESCRIBING THE EXPANSION
OF A FLUIDIZED BED. [1961] 5p.
Order from ATS \$7.85

ATS-59P58R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 4, p. 45-47.

DESCRIPTORS: *Fluidized solids.

(Engineering--Chemical, TT, v.7, no. 10)

62-12663

- I. Solchani, P.
- II. ATS-59P58R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS RJ-3876

Office of Technical Services

Brunshstein, B. A. and Klimenko, V. L.
METHODS OF PRODUCING SODIUM ALKYL
SUPHATES AND THEIR TECHNICAL AND ECONOMIC
ASSESSMENT. [1963] [14p] 8 refs
Order from OTS or SLA \$1.60 63-20044

Trans. of Khimicheskaya Promyshlennost' (USSR) 1961,
no. 4 [p. 253-257].
Another trans. is available from ATS \$14.45 as
ATS-28N58R [1961] 10p.

DESCRIPTORS: *Surface-active substances, *Cleaning
compounds, *Sodium compounds, Alkyl radicals,
*Sulfates, Manufacturing methods, *Fatty acids,
*Alcohols, *Economics.

The production of sodium alkyl sulphates from alcohols,
obtained by the direct hydration of synthetic fatty acids,
is more advantageous than their production from alco-
hols from the hydration of butyl esters, not only for
(Materials, TT, v. 10, no. 11) (over)

63-20044

- I. Title: Sodium alkyl
sulfates
- I. Brunshstein, B. A.
- II. Klimenko, V. L.

Office of Technical Services

Effect of Macrokinetic Factors on the Rate
of Oxidation of Naphthalene in a Fluid-
ized Catalyst Bed, by I. I. Koffe, et al.

RUSSIAN, per, Khim Prom. No 4, 1961,
pp 258-263.

NIL M.4E606

Sci - Chem
Apr 62

193,804

62-34336

Solchani, P.
A NEW METHOD OF DESCRIBING THE EXPANSION
OF A FLUIDIZED BED. Apr 62, 3p. 7 refs.
Order from ICE in v. 2, no. 2, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 4 [p. 267-269].
Another trans. is available from ATS \$7.85 as
ATS-59P58R [1961] 5p.

DESCRIPTORS: *Chemical engineering, *Fluidized
solids, Particles, Volume, Mathematical prediction.

(Engineering--Chemical, TT, v. 8, no. 11)

I. Solchani, P.
II. International Chemical
Engineering, New York

Office of Technical Services

62-17287

Tyuryaev, I. Ya., Tsailingol'd, A. L., and
Bullov, A. B.
NONHOMOGENEITY OF A FLUIDIZED CATALYST
BED. [1962] 6p.
Order from ATS \$9.30 ATS-60P58R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 5, p. 60-63.

DESCRIPTORS: *Fluidized solids, Catalysts.

(Engineering--Chemical, TT, v. 8, no. 4)

I. Tyuryaev, I. Ya.
II. Tsailingol'd, A. L.
III. Bullov, A. B.
IV. ATS-60P58R
V. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-RJ-3300

Office of Technical Services

(SF-1873)

Scientists and Scientific Organizations of the USSR
(Chemical Industry), by I. A. Sheftil, S. V.
Kuznetsov, A. L. Leonov, 8 pp.

RUSSIAN, per, Khim Prom, No 5, 1961, pp 70-73.

JPRS 10503

USSR

174,025

Econ

Tsaykovskii, V. K. and Shcheglova, F. Ts.
THE EFFECT OF TEMPERATURE OF OXIDATION
OF n-PARAFFINIC HYDROCARBONS ON THE
DECOMPOSITION OF ALKYLHYDROPEROXIDES. [1963]
[7p] Prefa

Order from OTS or SLA \$1.10

63-20014

Trans. of Khim[icheskaya Prom[ishlennost'] (USSR)
1961, no. 5, p. 325-326.

DESCRIPTORS: Hydrocarbons, *Alkanes, *Oxidation,
Peroxides, Carbonyl radicals, Degradation, *Alcohols,
Carboxylic acids, Esters, Molecular weight,
Temperature.

Oxidation of n-decane, n-undecane, and n-tridecane,
was conducted on a Mn naphthenate catalyst and in the
presence of a boric acid esterification agent. Analysis
of the oxidation products revealed that with increasing
(Chemistry--Organic, TT, v. 10, no. 12) (over)

63-20014

1. Title: Alkylhydro-
peroxides
2. Title: n-Decane
3. Title: n-Tridecane
4. Title: n-Undecane
1. Tsaykovskii, V. K.
- II. Shcheglova, F. Ts.

Office of Technical Services

62-14634

Rudkovskii, D. M., Brenstein, B. A., and Klimenko, V. L.
 THE PRODUCTION OF BUTYRALDEHYDES BY THE
 OXO SYNTHESIS METHOD. [1962] 8p. 5 refs.
 Order from OTS or SLA \$1.10 62-14634

I. Rudkovskii, D. M.
 II. Brenstein, B. A.
 III. Klimenko, V. L.

Trans. of Khimicheskaya Promyshlennost' (USSR)
 1961, no. 5 [p. 335-338].

DESCRIPTORS: *Butyl radicals, *Aldehydes,
 Butanols, Ethanols, Canavanine, Propanes, Produc-
 tion, *Oxo process.

An examination is made of the technical-economic
 characteristics of the production of butyraldehyde and
 the range of effective development is determined.

(Engineering--Chemical, TT, v. 8, no. 10)

Office of Technical Services

Removal of Sulphur Compounds From Hydrocarbon Gases,
by E. G. Rozantsev, I. I. Berger.

RUSSIAN, per, Khim Prom, Vol V, 1961, pp 339-340.

Dept of Interior
Tr No 1663

Sci

Jan 63

Gel'perin, N. I. and Assmus, M. G.
MASS TRANSFER IN INJECTOR EXTRACTION
COLUMNS. Jan 62, 4p. 1 ref.
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 5, p. 348ff.

DESCRIPTORS: *Mass transfer, *Injectors, Towers
(Chemistry), Xylenes, Acetic acids, Ethers, Water,
*Chemical engineering.

(Engineering--Chemical, TT, v. 8, no. 10)

62-34294

- I. Gel'perin, N. I.
- II. Assmus, M. G.
- III. International Chemical
Engineering, New York

Office of Technical Services

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Production of Manganese Dioxide of Reagent
Purity, by D. M. Korf, and A. A. Mazuren.
RUSSIAN, per, Khim. Prom, Vol 5, 1961,
p 361.
NLL Ref: 5828.4F (12676)

Sci-Chemistry
Jul 68

360,782

(SF-1379)

The Hydrothermal Refining of Phosphates in a Cyclone
Furnace, by S. I. Vol'fkovich, 23 pp.

RUSSIAN, per, Khim Prom, No 6, 1961, pp 24-29.

JPRS 10911

Sci .. Chem

175, 682

Dec 61

(SF-1372)

The Ammonia - Phosphoric Acid Method of Refining
Weak Sulphur Gases With the Production of Ammophos,
by N. A. Vasilenko, 21 pp.

RUSSIAN, per, Khim Prom, No 6, 1961, pp 30-35.

JPRS 11006

Sci - Chem

176, 012

Dec 61

Vol'fkovich, S. I., Ionass, A. A. and others.
HYDROTHERMAL PROCESSING OF PHOSPHATES
IN A CYCLONE FURNACE. Jan 62, 7p. 3 refs.
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 6 [p. 394-399].
Another trans. is available from OTS or SLA \$2.60
as 62-13405, JPRS-10911, 2 Nov 61 [25]p.

DESCRIPTORS: *Phosphates, Refineries, Purification,
*Cyclone furnaces, *Chemical engineering.

(Engineering--Chemical, TT, v. 8, no. 10)

62-34301

I. Vol'fkovich, S. I.
II. Ionass, A. A.
III. International Chemical
Engineering, New York

Office of Technical Services

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Experience in the Use of Automated Filter Press
for the Isolation of Dyestuff Suspensions, by
M. L. Goldfarb, T. A. Malinovskaya.

RUSSIAN, per, Khim Prom, Vol VI, 1961, pp 420-424.

NLL RTS 2031

Sci - Chem

Jul 62

204,842

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Production and Use of Molecular Sieves in the
USSR, by A. V. Agafonov, M. M. Budinin,
B. A. Onusaitis, et al.

RUSSIAN, per, Khim Prom, No 7, 1961,
pp 26-30.

NLL Tr Bulletin

IS
USSR
Econ
Apr 62
Sci - Engr

193,923

Investigation of the Hydro Dynamic
Processes in the Pseudo-Combustible Layer
of Solid Particles Under High Pressure.
by O. S. Chekhov.

RUSSIAN, per, Khim Prom, No 7, 1961,
pp 48-50.

TIL/T. 5352

Sci - Chem
Oct 63

Boguslavskii, N. M., Vol'fkovich, S. N. and others.
PREPARATION OF HYDROGEN FLUORIDE FROM
SiF₄. [1963] 6p. (figs. tables omitted).
Order from OTS or SLA \$1.10

63-14165

Trans. of Khim[ichekaya] Prom[yshlennost'] (USSR)
1961 [no. 7] p. 450-452.
Another trans. is available from OTS or SLA \$1.60 as
62-13583, PTD-TT-61-105, 23 Oct 61 [11]p.

DESCRIPTORS: *Hydrogen compounds, *Fluorides,
*Silicon compounds, Phosphates, Ammonium radicals,
Decomposition, Costs, Chemical reactions.

For abstract see Technical Translations 7:783, 1962.

(Chemistry Inorganic, IT, v. 10, no. 7)

63-14165

I. Boguslavskii, N. M.
II. Vol'fkovich, S. N.

Office of Technical Services

Agafonov, A. V., Dubinin, M. M. and others.
TRAVAUX ACCOMPLIS EN U. R. S. S. POUR LA PRÉ-
PARATION ET LES APPLICATIONS DE NOUVEAUX
ADSORBANTS SÉLECTIFS; LES TAMIS MOLECULAIRES
(Preparation and Applications of New Selective
Adsorbents: Molecular Sieves). 8p. FR-2357.
Order from OTS, ETC or CNRS \$0.80 62-26451

Trans. in French of Khimicheskaya Promyshlennost'
(USSR) 1961, no. 7, p. 470-474.
Other translations are available in English from
ATS \$17.45 as ATS-36P59R, 9p.; from HMSO \$0.77
in NLL Translations Bulletin, 1962, v. 4, no. 1.

DESCRIPTORS: Adsorbents, *Organolites, *Particulate
filters.

(Chemistry--Physical, TT, v. 10, no. 8)

62-26451

- I. Agafonov, A. V.
- II. Dubinin, M. M.
- III. F/R-2357
- IV. Centre National de la
Recherche Scientifique,
Paris (France)

Office of Technical Services

Hydraulic Relationships in Processes on Dual-
Flow Bubble Trays, by A. G. Kasatkin.
RUSSIAN, per, Khim Prom, Vol 37, No 7, 1961,
pp 482-491.
ATS RJ-4973

Sci-Phys
Feb 69

373,787

Krichevskii, I. R., Efremova, G. D. and others.
PHASE AND VOLUME RELATIONSHIPS IN THE
SYSTEM ACETIC ACID-BUTANE. [1962] 9p.
Order from ATS \$9.75 ATS-38P63R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 7, p. 498-502.

DESCRIPTORS: *Acetic acids, *Butane, Phase studies,
Volume.

(Chemistry--Organic, TT, v. 8, no. 11)

62-34165

- I. Krichevskii, I. R.
- II. Efremova, G. D.
- III. ATS-38P63R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

POSSIBILITIES FOR THE PRODUCTION OF RAW
MATERIAL FOR PETROLEUM CHEMISTRY AT THE
PETROLEUM PROCESSING PLANTS OF THE USSR,
BY I. R. OSADCHENKO, V. L. KLIMENKO, 21 PP.

RUSSIAN, PER, KHIM PROM, ^{NO}~~MR~~ 8, 1961,
PP 1-7.

NLL TR BULLETIN
VOL 4, NO 2, 1962

USSR
ECON
JUN 62

199,086

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Calculation of the Process of Vapour
Condensation From a Vapour-Gas Mixture,
by M. E. Ivanov.
RUSSIAN, per, Khimicheskaya Promyshlennost',
1961, No 9, pp 52-58.
NLL RTS 2406 (On Loan or Purchase)

Aug 65

288,852

R-231/63

Some Questions of the Planning Organization of
Chemical Enterprises, by V. V. Nezhinskiy. SF-2737

RUSSIAN, per, Khim Prom, No 9, 1961, pp 593-596.

*JPRS

USSR
Econ
Jul 63

The Manufacture of Sodium Tripolyphosphate and
Pyrophosphate, by I. L. Gofman, M. V. Lykov.

RUSSIAN, per, Khim Prom, No 9, 1961, pp 620-624.

MLL RTS 2134
(loan)

Sci - Chem
Jul 63

238,123

62-34328

Gol'dberg, N. A. and Kucheryavyi, V. I.
CHEMISORPTION PROCESS MODELS [Modelirovaniye
Khemosorptsionnykh Protsessov]. Apr 62, 6p. 10 refs.
Order from ICE in v. 2, no. 2, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 9 [p. 630-636].

DESCRIPTORS: *Chemical engineering, *Chemisorp-
tion, Models (Simulations), Towers (Chemistry), Hy-
drodynamics, Mass transfer.

(Chemistry--Physical, TT, v. 9, no. 5)

I. Gol'dberg, N. A.
II. Kucheryavyi, V. I.
III. International Chemical
Engineering, New York

Office of Technical Services

Ivanov, M. E.

THE CALCULATION OF VAPOR CONDENSATION
FROM A VAPOR-GAS MIXTURE [Raschet Protsessa
Kondensatsii para Iz Paro-Gazovoi Smesi]. Apr 62, 8p.
12 refs.

Order from ICE in v. 2, no. 2, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1961,
no. 9 [p. 644-650].

DESCRIPTORS: *Chemical engineering, *Vapors, Gases,
Mixtures, *Condensation, Fog, Towers (Chemistry),
Mass transfer, Heat transfer.

(Chemistry--Physical, TT, v. 9, no. 5)

62-34341

I. Ivanov, M. E.

II. International Chemical
Engineering, New York

CFSTI TT 65-60349

Office of Technical Services

62-18758

Vol'fson, L. G. and Kogan, L. M.
CHLORINE-CONTAINING INSECTICIDES PREPARED
FROM HEXACHLOROCYCLOPENTADIENE. [1962]
20p. 64 refs.
Order from OTS or SLA \$1.60 62-18758

Trans. of Khimicheskaya Promyshlennost' (USSR)
1961, no. 10 [p. 672-677].
An abstract trans. is available from OTS or SLA
\$1.10 as 62-15416, AID 61-160, 30 Nov 61, 1p.

DESCRIPTORS: *Insecticides, Chlorine, Chlorination.

(Agriculture--Plant Cultivation, TT, v. 9, no. 8)

I. Vol'fson, L. G.
II. Kogan, L. M.

Office of Technical Services

Mel'nikov, N.N., Shvetsova-Shilovskaya, K.D. and others.

RECHERCHES DES PRODUITS INSECTICIDES DANS LA SÉRIE DES ESTERS ARYLIQUES DE L'ACIDE N-ALKYLCARBAMIQUE (Izyskanie Insektitsidnykh Preparatov v Ryadu Arilovykh Efirov N-Alkilkarbaminovoi Kisloty)(Insecticides from Aryl Esters of N-Alkylcarbamic Acids) 10p. (Foreign text included) 2 refs. GR-826.

Order from OTS, ETC or CNRS \$0.80 TT-63-26916

Trans in French of Khimicheskaya Promyshlennost' (USSR) 1961, no.10, p.679-681.

DESCRIPTORS: Insecticides, Carbamic acid, Carbamates, Manufacturing methods, Experimental data.

(Chemistry--Organic, TT, v. 11, no. 7)

TT-63-26916

- I. Mel'nikov, N.N.
- II. Shvetsova-Shilovskaya, K.D.
- III. CNRS-GR-826
- IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

(NY-3000)

The Party Program and the Tasks of the
Chemical Industry, by V. S. Fedorov,
33 pp.

RUSSIAN, per, Khim Prom', No 11, 1961,
pp 1-8.

JPRS 13086

USSR
Econ
Mar 62

189,443

The Kinetics of Chemical Reactions in a
Fluidized Catalyst Bed, by O. Ye. Polot-
nyuk.

RUSSIAN, per, Khim Prom, No 11, 1961,
pp 21-24.

GB 39/AE4 CI RET 1008
ATS RJ-3870

Sci-Chem
Dec 63

244,866

62-34335

Burovoi, I. A., Elyashberg, V. M. and others.
MATHEMATICAL MODELS FOR THERMOCHEMICAL PROCESSES OCCURRING IN FLUIDIZED BEDS.
Apr 62, 8p. 6 refs.
Order from ICE in v. 2, no. 2, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 11 [p. 756-762].

DESCRIPTORS: *Chemical engineering, *Thermochemistry, Mathematical prediction, Models (Simulations), *Fluidized solids, Reaction kinetics, Specific heat, Heat transfer.

(Engineering--Chemical, TT, v. 8, no. 11)

I. Burovoi, I. A.
II. Elyashberg, V. M.
III. International Chemical
Engineering, New York

Office of Technical Services

Polotnyuk, O. Ya.
THE KINETICS OF CHEMICAL REACTIONS IN A
FLUIDIZED CATALYST BED. [1962] 9p.
Order from ATS \$13.65 ATS-55P60R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961. no. 11, [p. 763-766].

DESCRIPTORS: *Chemical reactions, *Fluidized solids,
*Catalysts, *Reaction kinetics.

(Chemistry--Physical, TT, v. 9, no. 2)

62-17718

- I. Polotnyuk, O. Ya.
- II. ATS-55P60R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Determination of the Critical Rate of
Fluidization by Gas Under Pressure, by
B. B. Chesnokov.
RUSSIAN, per, Khim. Prom., No 11, 1961, pp 767-768.

AEC

Sci
Mar 64

Design of Multistage Apparatus With a Fluidized Bed
of Granular Material, by L. A. Kopyan.

RUSSIAN, per, Khim Prom, No 11, 1961, pp 769-770.

U.K. Atomic Energy Authority
Springfields Tr-81

Sci - Engr
Jul 62

202,112

Vakhrushev, I. A., Botnikov, Ya. A., and
Zenchenkov, N. G.
HEAT TRANSFER FROM A FLUIDIZED BED OF
HOT COKE TO THE SURFACE OF HORIZONTAL
TUBES. [1963] 6p.
Order from ATS \$8.00 ATS-92Q66R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 11, p. 787-789.

DESCRIPTORS: *Pipes, Surfaces, *Coke, Fluidized
solids, *Heat transfer.

(Engineering--Chemical, TT, v. 9, no. 10)

63-12818

- I. Vakhrushev, I. A.
- II. Botnikov, Ya. A.
- III. Zenchenkov, N. G.
- IV. ATS-92Q56R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

ATS RJ-3715

Office of Technical Services

(NY-3000)

Achievements of State Union Experimental Dye
Plant During Past Three Years, by I. F.
Dyuzhev, 6 pp.

RUSSIAN, per, Khim Prom, No 12, 1961,
pp 2-4.

JPRS 14182

203,385-

USSR
Econ
Jun 62

Obtaining Compounded Surface Active Materials,
by E. A. Myshkin, 9 pp.
RUSSIAN, per, Khim Prom, No 8,1961, pp 535-537.
CFSTI TT-64-15724

Sci - M/M
Jul 66

305,865

63-12244

Slin'ko, M. G. and Beskov, V. S.
CALCULATION OF CONTACT EQUIPMENT WITH
ADIABATIC CATALYST LAYERS FOR OXIDATION OF
SULFUR DIOXIDE. July 62 [6]p. 6 refs.
Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 12, p. 826-831.

DESCRIPTORS: *Computers, Programming, *Catalysts,
*Sulfur compounds, Dioxides, Oxidation, Heat ex-
changers, Specific heat.

(Engineering--Chemical, TT, v. 9, no. 2)

I. Slin'ko, M. G.
II. Beskov, V. S.
III. International Chemical
Engineering, New York

Office of Technical Services

Margulis, M. A. and Gal'tsov, V. Ya.
INTENSIFYING OF CERTAIN PRODUCTION STAGES
OF POLYOLEFINS. 5p 5refs
Order from OTS, SLA, or ETC \$1.10 TT-64-16321

Trans. of Khimicheskaya Promyshlennost' (USSR)
1961 [no. 12] p. 837-839.

(Chemistry--Organic, TT, v. 12, no. 3)

TT-64-16321

I. Margulis, M. A.
II. Gal'tsov, V. Ya.

Office of Technical Services

63-12242

Zayarnyi, N. S.
COMPUTER MODEL FOR AMMONIA SYNTHESIS
COLUMNS. July 62 [6]p. 11 refs.
Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 12 [p. 850-854].

DESCRIPTORS: *Towers (Chemistry), *Computers,
Models (Simulation), *Ammonia, Synthesis, Reaction
kinetics, Catalysts.

(Engineering--Chemical, TT, v. 9, no. 2)

I. Zayarnyi, N. S.
II. International Chemical
Engineering, New York

Office of Technical Services

Kagan, S. Z., Volkova, T. S., and Aerov, M. E.
ETUDE DU BRASSAGE LONGITUDINAL DANS LES
EXTRACTEURS ROTATOIRES A DISQUES (Study of
Longitudinal Mixing in the Disc Rotary Extractors).
16p. 33 refs. FR-3179 (text in French).
Order from OTS or ETC \$1.85 62-26307

Trans. in French of Khimicheskaya Promyshlennost'
(USSR) 1961, no. 12, [p. 861-865]

DESCRIPTORS: Liquids, *Solvent extraction, *Disks,
Rotation, Mixtures.

(Engineering--Chemical, TT, v. 9, no. 8)

62-26307

- I. Kagan, S. Z.
- II. Volkova, T. S.
- III. Aerov, M. E.
- IV. FR-3179
- V. Centre National de la
Recherche Scientifique
(France)

Office of Technical Services

63-12248

Kutepov, A. M.
CENTRIFUGAL SEPARATION OF SECONDARY VA-
PORS IN EVAPORATION OF SOLUTIONS. July 62
[5]p. 7 refs.
Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 1, p. 60ff.

DESCRIPTORS: Solutions, Evaporation, Vapors, Sep-
aration, *Centrifuge separation, Numerical analysis.

(Engineering--Chemical, TT, v. 9, no. 2)

I. Kutepov, A. M.
II. International Chemical
Engineering, New York

Office of Technical Services

Gurevich, G. I. and Neiman, E. Ya.
ELECTROSYNTHESIS OF W-OXYPENTADECANOIC
ACID. [1962] 10p.
Order from K-H \$12.50 K-H 11911

Trans. of Khim[icheskaya] Promy[shlennost'] (USSR)
1962 [no. 1] p. 41-44.

DESCRIPTORS: *Capric acids, *Fatty acids, Synthesis,
*Electrochemistry.

(Chemistry--Organic, TT, v. 9, no. 11)

63-12951

I. Gurevich, G. I.
II. Neiman, E. Ya.
III. K-H-11911
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Investigation Into the Electro-Chemical Reactions of
Titanium and Several Other Metals During the
Electrolysis of Chloride Solutions, by L. M. Yakimenko.

~~SECRET~~ RUSSIAN, per, Khim Prom, No 1, 1962, pp 43-47.

NIL RTS 2277 (*Loan*)

Sci - M/M
Feb 64

248,259

Operation of a Centrifugal Froth Separator, by
V. T. Barishpolets, 5 pp.

RUSSIAN, per, Khim Prom, No 2, 1962, pp 45, 46.
9200975

4AB(-Tr-5379

Sci - Engr
Jan 63

220, 532

A Determination of the Temperature Field and
the Heat Losses in the Insulation Barrier of
Compressed-Gas Tanks, by S. M. Rips, 20 pp.

RUSSIAN, per, Khimicheskaya Prom, No 2, 1962,
pp 59-65. 9679698

FTD-TT-62-1459

Sci-Phys
Mar 63

224,908

Kil'man, Ya. I.

STABILIZATION OF THE THERMAL DECOMPOSITION OF HIGH-CONCENTRATION AMMONIUM NITRATE MELTS. [1963] [8p] 20refs [BM Trans. no. 2248.]

Order from OTS, SLA, or ETC \$1.10 TT-64-13714

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962, no. 1, p. 66-69. (Abstract available)

DESCRIPTORS: *Ammonium compounds, *Nitrates, Solutions, Pyrolysis, Stabilization, *Urea.

A study was made of the thermal decomposition of ammonium nitrate in the course of evaporation of its solutions at a pressure of 550 mm Hg over a temperature range of 165 to 240° and for various lengths of evaporation time. It was found that the losses (calculated with respect to nitrogen) in the range of 180° to 200° and for an evaporation time of 2 min were between (Chemistry--Physical, TT, v. 11, no. 11) (over)

TT-64-13714

- I. Kil'man, Ya. I.
- II. BM-Trans-2248
- III. Bureau of Mines, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

New Developments in the Synthesis,
Preparation and Use of Polymeric Ion-Ex-
change Materials, by V. S. Titov, A. B.
Pashkov, 20 pp.
RUSSIAN, per, Khimicheskaya Promyshlennost',
No 1, 1962, pp 912-918.
OTS TT-65-60133

338,792

Sci
Aug 67

Kricheskii, I. R., Khazanova, N. E. and others.
DIFFUSION IN GASES AT HIGH PRESSURES. July 62
[8]p. 30 refs.
Order from ICE in v. 2, no. 3, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 2 [p. 105-111].

DESCRIPTORS: Gases *Nitrogen, *Carbon dioxide,
Diffusion, Mass transfer, High pressure research,
Phase studies.

(Physics--Thermodynamics, TT, v. 9, no. 2)

63-12255

I. Kricheskii, I. R.
II. Khazanova, N. E.
III. International Chemical
Engineering, New York

Office of Technical Services

The Sensitivity of Ozone-Oxygen Solutions to
a Pressure Pulse, by Z. B. Basyrov,
A. V. Pankratov, 6 pp.

RUSSIAN, per, Khimicheskaya Prom, No 3,
1962, pp 22, 23. 9679702

FTD-TT-62-1460

Sci-Phys
Mar 63

224,817

Boyarchuk, P. G. and Planovskii, A. N.
THE KINETICS OF MASS TRANSFER IN RECTI-
CATION APPARATUS OF THE FILM TYPE. Oct 62
[6]p. 21 refs.
Order from ICE in v. 2, no. 4, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 3 [p. 195-200].

DESCRIPTORS: *Towers (Chemistry), Rectifiers,
Films, *Mass transfer, Phase studies, Dynamics,
*Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12321

I. Boyarchuk, P. G.
II. Planovskii, A. N.
III. International Chemical
Engineering, New York

Office of Technical Services

The Preparation of Adipic Acid by Oxidation,
with Nitric Acid, of the Products of Air
Oxidation of Cyclohexane, by A. M. Goldman, et al.
RUSSIAN, per, Khimicheskaya Promyshlennost,
No 4, 1962, pp 237-241.
NTC 71-14728-07A

Feb 72

Pis'men, L. M. and Ioffe, I. I.
CALCULATION OF OPTIMAL PROCESSES IN
CHEMICAL REACTORS BY THE METHOD OF DY-
NAMIC PROGRAMMING. Oct 62 [9]p. 14 refs.
Order from ICE in v. 2, no. 4, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962,
no. 4 [p. 260-266].
Another trans. is available from ATS \$19.25 as
ATS-45P63R [1962] 14p.

DESCRIPTORS: *Towers (Chemistry), Reactors,
*Programming, *Computers, Chemical reactions,
*Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12342

I. Pis'men, L. M.
II. Ioffe, I. I.
III. International Chemical
Engineering, New York

ATS RJ-3863
(26. 11. 1964)

Office of Technical Services

A Graphical Method of Calculating a Series of Continuously
Operating Reactors, by G. N. Bogachov.
RUSSIAN, per, Khim Prom, No 4, 1962, pp 267-270.

CRL/T. 1302

Sci - Chem

Feb 64

250,114

Chekhov, O. S. and Khiterer, R. Z.
SOME QUESTIONS OF AMMONIA SYNTHESIS IN A
COLUMN WITH A FLUIDIZED CATALYTIC BED.
Oct 62 [6]p. 15 refs.
Order from ICE in v. 2, no. 4, \$15.00/year

Trans. of Khim[icheskie] Prom[yshlennost'] (USSR)
1962, no. 4 [p. 277-281].

DESCRIPTORS: *Ammonia, Synthesis, *Catalysts,
Fluidized solids, *Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12344

I. Chekhov, O. S.
II. Khiterer, R. Z.
III. International Chemical
Engineering, New York

Office of Technical Services

Dytnerakii, Yu. I. and Kasatkin, A. G.
EQUATION GÉNÉRALE POUR LE CALCUL DES COEFFICIENTS DE TRANSFERT DE MASSE DANS LES COLONNES A PLATEAUX [A Generalized Equation for the Determination of the Mass Transfer Coefficient in Columns Having Plates] tr. by Kefeli. 13 Nov 62 [16]p. 11 refs. CEA Trans. no. R 1674.
Order from OTS or SLA \$1.60

63-15497

Trans. in French of Khimicheskaia Promyshlennost' (USSR) 1962, no. 4, p. 288-290].

DESCRIPTORS: *Towers (Chemistry), *Mass transfer, Effectiveness, Determination, Vapors, Absorption, Equations.

(Engineering--Chemical, TT, v. 10, no. 7)

63-15497

I. Dytnerakii, Yu. I.
II. Kasatkin, A. G.
III: CRA-tr-R1674
IV. Commissariat à l'Énergie Atomique (France)

Office of Technical Services

Molokanov, Yu. K.
HYDRAULIC RESISTANCE OF GRID AND PERFO-
RATED TRAYS OF THE DOWNFALL TYPE. [1962]
7p.

Order from ATS \$9.85 ATS-50P63R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 4, p. 291-294.

DESCRIPTORS: *Conveyors, Hydraulic research, Re-
sistance, Porosity.

(Engineering--Chemical, TT, v. 9, no. 1)

62-34245

- I. Molokanov, Yu. K.
- II. ATS-50P63R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS RJ-3885

Office of Technical Services

63-12675

Pis'men, L. M. and Ioffe, I. I.
CALCULATION OF THE OPTIMAL PROCESS IN
CHEMICAL REACTORS BY THE METHOD OF DY-
NAMIC PROGRAMMING. Jan 63 [9]p. 6 refs.
Order from ICE in v. 3, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 5 [p. 352-359].
Another trans. is available from ATS \$19.00 as
ATS-32P65R [1962] 16p.

DESCRIPTORS: *Towers (Chemistry), Reactors, *Pro-
gramming, Dynamics, *Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

I. Pis'men, L. M.
II. Ioffe, I. I.
III. International Chemical
Engineering, New York

ATS RJ-3869

Office of Technical Services

63-12682

Planovskii, A. N., Bulatov, S. N., and Vertuzaev, E. D.

CALCULATION OF COLUMN EXTRACTORS WITH SIEVE PLATES. Jan 63 [5]p. 3 refs.
Order from ICE in v. 3, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1962, no. 5 [p. 364-367].

DESCRIPTORS: *Towers (Chemistry), Design, Mathematical analysis, *Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

1. Title: Sieve plates
- I. Planovskii, A. N.
- II. Bulatov, S. N.
- III. Vertuzaev, E. D.
- IV. International Chemical Engineering, New York

Office of Technical Services

63-12846

Sokolinski, Yu. A.
CALCULATION OF EQUILIBRIUM IN THE SYNTHESIS OF AMMONIA WITH THE AID OF COMPUTERS.
[1963] 6p.
Order from ATS \$9.50

ATS-89Q67R

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962, no. 6, p. 410-413.

DESCRIPTORS: *Computers, *Ammonia, Synthesis,
Chemical equilibrium.

(Engineering--Chemical, TT, v. 9, no. 8)

- I. Sokolinski, Yu. A.
- II. ATS-89Q67R
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS 89-3947

Office of Technical Services

Heat Emission and Hydraulic Resistance in
a Gas Flow Along Tubes With Cross Finns, by
U. V. Petrovskiy, 17 pp.
RUSSIAN, per, Khim Prom, No 6, 1962,
pp 433-451.
CIA/FDD XX-1770

Sci - Engr

Mar 66

USIB Internal Use Only

297,534

Malyusov, V. A., Zhavoronkov, N. M. and others.
INVESTIGATION OF THE EFFECTIVENESS OF REGU-
LAR PACKINGS IN THE RECTIFICATION OF WATER.
Apr 63, 12p. 18 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Khim[icheskaya] Prom[yslennost'] (USSR)
1962, no. 7 [p. 519-529].

DESCRIPTORS: *Purification, *Distillation, *Water,
Effectiveness, Packing materials, Design, Hydrody-
namics, Mass transfer, Resistance, Pressure,
Velocity, Temperature, Chemical engineering.

(Engineering--Chemical, TT, v. 10, no. 3)

63-17500

1. Title: Rectification
- I. Malyusov, V. A.
- II. Zhavoronkov, N. M.
- III. International Chemical
Engineering, New York

Office of Technical Services

63-12647

Tomilov, A. P., Kaabak, L. V., and
Varshavskii, S. L.
ELECTROCHEMICAL REDUCTION OF NITRILES.
[1962] 8p.
Order from ATS \$12.00 ATS-44P66R

Trans. of Khimicheskaya Promyshlennost' (USSR)
1962, no. 8, p. 562-566.

DESCRIPTORS: *Nitriles, Reduction (Chemistry),
Electrochemistry, Chemical reactions.

(Chemistry--Physical, TT, v. 9, no. 7)

I. Tomilov, A. P.
II. Kaabak, L. V.
III. Varshavskii, S. L.
IV. ATS-44P66R
V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Planovskii, A. N. and Bulatov, S. N.
ANALYTICAL CALCULATION OF THE NUMBER OF
EFFECTIVE PLATES OF COLUMNAR MASS TRANS-
FER EQUIPMENT. Jan 63 [6]p. 4 refs.
Order from ICE in v. 3, no. 1, \$15.00/year

Trans. of *Khimicheskaya Promyshlennost'* (USSR) 1962,
no. 8, p. 592-[595].

DESCRIPTORS: *Towers (Chemistry), Absorption,
*Mass transfer, Mathematical analysis, *Chemical
engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12693

- I. Title: Sieve plates
- I. Planovskii, A. N.
- II. Bulatov, S. N.
- III. International Chemical
Engineering, New York

Office of Technical Services

The Causes of Explosions in the Purification
of Hydrogen with liquid Nitrogen, by
B. D. Mel'nik, 12pp
RUSSIAN, per, Khimicheskaya Promyshlennost',
1962, No 9, pp 625-630
CFSTI TT-64-19382

323,813

Sci - Engineering
Apr67

Gol'dberg, N. A. and Al'tshuler, L. N.
THE MACROSCOPIC KINETICS AND MECHANISM OF
THE SYNTHESIS OF UREA FROM AMMONIA AND
CARBON DIOXIDE. Apr 63, 5p. 12 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962,
no. 9 [p. 638-641].

DESCRIPTORS: Chemical engineering, *Urea, Amides,
Carbamates, Esters, Cyano radicals, *Ammonia,
*Carbon dioxide, Oxides, Pressure, Temperature,
Synthesis (Chemistry), *Reaction kinetics.

(Engineering--Chemical, TT, v. 10, no. 3)

63-17505

I. Gol'dberg, N. A.
II. Al'tshuler, L. N.
III. International Chemical
Engineering, New York

Office of Technical Services

Bezuglii, S. F., Akimov, B. A., and Antonova, V. G.
FINE PULVERIZATION OF CONCENTRATED
PESTICIDAL WETTED POWDERS IN AN AIRSTREAM
MILL. [1964] [8p] 7refs
Order from OTS, SLA, or ETC \$1.10 TT-64-14841

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1962 [no. 9, p. 695-697].

TT-64-14841

I. Bezuglii, S. F.
II. Akimov, B. A.
III. Antonova, V. G.

(Engineering--Chemical, TT, v. 11, no. 11)

Office of Technical Services

Compressibility of Mixtures of Ammonia and
Carbon Dioxide and Equilibrium of the Urea
Synthesis Reaction, by G. D. Efremova,
G. G. Leont'eva.
RUSSIAN, per, Khim Prom, Vol 38, No 10, 1962,
pp 742-746.
ATS RJ-4996

Sci-Phys
Feb 69

373,807

Gel'perin, N. I. and Ainshtein, V. G.
THERMAL CALCULATION OF A PNEUMATIC CON-
VEYOR IN A FLUIDIZED BED. Apr 63, 5p. 6 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962,
no. 10 [p. 753-756].

DESCRIPTORS: Chemical engineering. *Conveyors,
*Pneumatic devices, *Fluidized solids, Heat transfer,
Pyrites.

(Physics--Thermodynamics, TT, v. 10, no. 3)

63-17519

I. Gel'perin, N. I.
II. Ainshtein, V. G.
III. International Chemical
Engineering, New York

Office of Technical Services

New Methods in the Technique of Drying Moist
Materials in a Suspended Layer, byB. Sazhin.
RUSSIAN, per, Khimicheskaya Promyshennost, No 11,
1962, pp 4-50-52
CSIRO/No 7220

Sci -

Aug 67

335,088

Fluidized Bed Driers, by P. Romankov.
RUSSIAN, per, Khimicheskaya Promyshlennost',
No 11, 1962, pp 42 - 47
CSIRO/No 7219

Sci -
Jul 67

334,503

Hydraulics and Heat Exchange in a Fluidized Bed with
a Vertical Set of Tubes., by M. Gel'perin.
RUSSIAN, per, Khimicheskaya Promyshlennost', Vol. 11,
1962, pp 781-788.
CSIRO/No. 6860

Sci -
July 1967

334-674

Vakhrushev, I. A. and Erokhin, G. S.
THE MIXING OF SOLID PARTICLES IN A FLUIDIZED
BED. July 63, 6p. 10 refs.
Order from ICE in v. 3, no. 3, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR)
1962, no. 11 [p. 810-814].

DESCRIPTORS: Chemical engineering, *Fluidized
solids, Heat transfer, Catalysts, Mixtures, Hydro-
carbons, Decomposition, Laboratory equipment,
Design.

(Engineering--Chemical, TT, v. 10, no. 7)

63-17878

I. Vakhrushev, I. A.
II. Erokhin, G. S.
III. International Chemical
Engineering, New York

Office of Technical Services

Technical Calculation of Air-Spouted Units
for Drying Free-Flowing Materials,
by B. S. Sashin, 16 pp.
RUSSIAN, per, Khimicheskaya Promyshlennost',
No 11, 1962, pp 819-822.
OTS 77-65-60511

338,779

Sci
Aug 67

Steady-State Performance of Gas Distributors
in Apparatus with a Fluidized Bed,
by B. M. Ustinov.
RUSSIAN, per, Khim Prom, No 11, 1962, pp 851-854.
CFSTI TT-64-15730

Sci - Eng
Jul 66

305,839

63-17875

Azbel, D. S.
THE HYDRODYNAMICS OF BUBBLER PROCESSES.
July 63, Sp. 20 refs.
Order from ICE in v. 3, no. 3, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR)
1962, no. 11 [p. 854-857].

DESCRIPTORS: Chemical engineering, *Hydrodynamics,
*Bubbles, Mass transfer, Porous materials.

1. Title: Bubbler processes
- I. Azbel, D. S.
- II. International Chemical
Engineering, New York

(Mechanics--Hydrodynamics, TT, v. 10, no. 7)

Office of Technical Services

New Developments in the Synthesis, Preparation
and Use of Polymeric Ion-Exchange Materials,
by V. S. Titov and A. B. Pashkov.

RUSSIAN, per, Khimicheskaya Promyshlennost',
1962, No 12, pp 54-60.

NLL RTS 2522 (On Loan or Purchase)

Aug 65

288,853

Barkalov, L. M. and Gol'danskii, V. L.
ADVANCES IN RADIATION POLYMERIZATION.
July 63, 6p. 57 refs.
Order from ICE in v. 3, no. 3, \$15.00/year

Trans. of Khim[icheskaia] Prom[yshlennost'] (USSR)
1962, no. 12 [p. 859-863].
Another trans. is available from OTS \$0.50 as
63-21657, JPRS-18868, 24 Apr 63, 19p.

DESCRIPTORS: *Polymerization, Free radicals,
*Vinyl plastics, *Radiation effects, Ionization, Radia-
tion chemistry, Chemical engineering, *Reviews.

(Chemistry, TT, v. 10, no. 7)

63-17893

I. Barkalov, L. M.
II. Gol'danskii, V. L.
III. International Chemical
Engineering, New York

Office of Technical Services